

Claim 19: Delete lines 1-9 and replace with --A method of operating a detector device for detecting an object in a detecting zone by emitting an electro-magnetic signal using a generated signal into the detecting zone and receiving a first electro-magnetic signal therefrom through a conductor, the detector device comprising at least a field-distorter comprising:

disposing a semiconductor device adjacent to the conductor, the conductor for carrying the received first electro-magnetic signal; the field-distorter being responsive to an input signal to shift the phase of the received first electromagnetic signal to produce a phase shifted signal in the conductor;

mixing the phase shifted signal with the generated signal to produce a combined signal having a characteristic determined--.

In claim 19: line 14, replace "circuit element" with -field-distorter--, line 15 replace "circuit element" with --field-distorter--, after "characteristic of the" before "first" insert -received--,

line 17 after "exerted on the" before "first" insert -received--

Claim 20: line ¹, replace "a second" with -the generated-- *ya 5/8*

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son M. Tang whose telephone number is (571)272-2962. The examiner can normally be reached on 5/8.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel J. Wu can be reached on (571)272-2964. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.